



Interoffice Memo
Office of Design Policy & Support

DATE: 8/6/2021

FILE: P.I.# 0013990
Dawson County / GDOT District 1 - Gainesville
SR 136 @ Toto Creek 7.6 Mi SE of Dawsonville – Bridge Replacement

Angela Turner

FROM: *for* R. Christopher Rudd, PE, State Design Policy Engineer

TO: SEE DISTRIBUTION

SUBJECT: APPROVED DETOUR REPORT

Attached is the approved Detour Report with Notice of Detour Approval for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3
Albert Shelby, Director of Program Delivery
Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator
Kim Nesbitt, Program Delivery Administrator
Bobby Hilliard, Program Control Administrator
Eric Duff, State Environmental Administrator
Donn Digamon, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Erik Rohde, State Project Review Engineer
Eric Conklin, State Transportation Data Administrator
Attn: Systems & Classification Branch
Kelvin Mullins, District Engineer
SueAnne Decker, District Preconstruction Engineer
Shannon Giles, Area Manager - D1, A1
Darrell Richardson, Project Manager
BOARD MEMBER - 9th Congressional District

FILE: P.I. 0013990, Dawson County
SR 136 @ Toto Creek 7.6 Mi SE of Dawsonville

DATE: May 17, 2021 *Kimberly W. Nesbitt*

FROM: Kimberly W. Nesbitt, State Program Delivery Administrator

TO: Office of Design Policy and Support via ConceptReports@dot.ga.gov

SUBJECT: Request for Detour Approval - Submittal – Detour Report

The Office of Program Delivery hereby submits the attached Detour Report for your review and approval.

If any additional information is needed, please contact Darrell Richardson at (678) 730-1448.

C.L.B. *ddc*
KWN:CLB:SHP:DDC:DMR

Attachments: Preconstruction Status Report, Completed Detour Report



Detour Report

DATE: 4/17/2021

FILE: P.I.# 0013990
Dawson County / GDOT District 1 - Gainesville
SR 136 over Toto Creek (Lake Lanier) Bridge Replacement

FROM: Kimberly W. Nesbitt, State Program Delivery Administrator

TO: R. Christopher Rudd, P.E., State Design Policy Engineer
Attn: Dave Peters, State Conceptual Design Group Manager

SUBJECT: Request for Detour Approval

Description and Project Proposal: This project will replace the existing bridge on SR 136 that was built in 1956 over Toto Creek (Lake Lanier) near Dawsonville. The project begins approximately 355 feet south of the existing bridge and ends approximately 315 feet north of the existing bridge near the SR 136/Henry Grady Highway/Toto Creek Park Drive intersection. The proposed bridge will be 280 feet long, consisting of two 12-foot lanes (one in each direction) and an 8-foot shoulder on both sides. The total deck width will be 43.25 feet. The roadway approaches will consist of two 12-foot lanes and a 12-foot paved shoulder to the guardrail and retaining walls on both sides. The existing bridge will be closed during construction, and the proposed replacement bridge will be constructed along the current alignment. A local detour will be provided via Henry Grady Highway, and all nearby roads will remain open during construction. The total project length is approximately 0.2 mile and the estimated construction time is 15 months.

Concept Approval Date: The Concept Report was approved October 15, 2018.

Reason a Detour is required: SR 136 at Toto Creek is proposed to be closed during construction to replace the bridge on the existing alignment. Replacing the bridge on the existing alignment was the preferred alternative because it is the least impactful to Lake Lanier and bat habitat, USACE park property and residential properties and requires the shortest construction time. This alternative falls within the scope of a bridge replacement to replace the bridge without attempting to re-design SR 136 that would incur significant costs and impacts to the environment and local community. This preferred alternative would require only one parcel of temporary easement, and construction costs would be approximately \$3,746,000. The no-build alternative would not meet the project justification and the existing bridge is below current design standards.

The on-site detour alternative proposed constructing the new bridge to the east of the existing bridge. This alternative was not selected because of the significantly increased impacts to the environment, USACE and residential property by building a parallel bridge to the east of the existing bridge. This alternative would require a temporary closing of Toto Creek Park Road which is the only paved access to Toto Creek Park. This alternative would cost significantly more than the Preferred Alternative to attempt to bring the road to current design standards, however, due

County: Dawson

to the existing conditions this alternative would still not meet the posted speed design. The additional impacts and costs required to keep the existing bridge open during construction were deemed too high when compared to the Preferred Alternative that would require a local detour. The on-site detour alternative would impact 11 parcels with an unknown right-of-way cost, and construction costs would be approximately \$7,744,000.

Environmental Assessment of the Proposed Detour Route: The proposed detour route including the temporary traffic signal at the intersection of Henry Grady Highway and US 19/SR 400 will stay within the existing right-of-way, will not require additional grading, and will not impact any environmental resources including state waters.

Public Detour Meeting Results: A Public Information Open House/Detour Meeting was held in Gainesville, GA on December 12, 2019. A total of 39 people attended the open house. Of the ten respondents who formally commented, 3 were in support of the project, 1 was opposed, 3 were uncommitted, and 3 expressed conditional support. Dawson County is in full support of the project and have approved the detour route. There were some concerns from the Chestatee community that traffic would detour through their neighborhood and that traffic would build up at the Henry Grady Highway and SR 400 intersection if a temporary traffic signal was not installed. To deter traffic through the Chestatee community, local traffic only signs will be placed during construction. A temporary traffic signal was also added to the plans to mitigate concerns of traffic build up at the intersection of Henry Grady Highway and SR 400.

Recommendations: Recommend that the detour route for the project be approved and that the attached Notice be approved for advertising.

Concur:

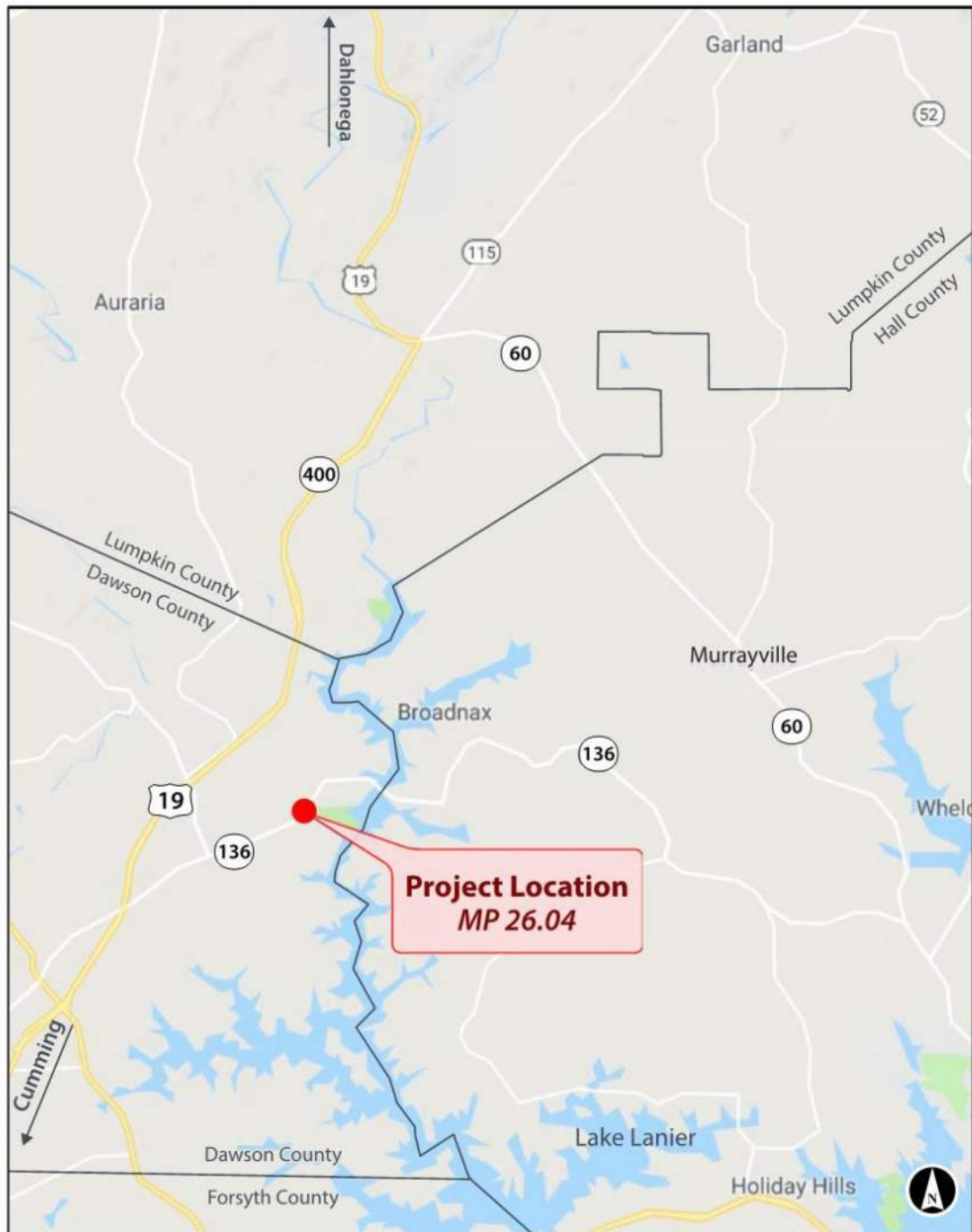
_____
GDOT Director of Engineering7/23/2021_____
Date

Approve:

For GDOT Chief Engineer7/26/2021_____
Date

Attachments:

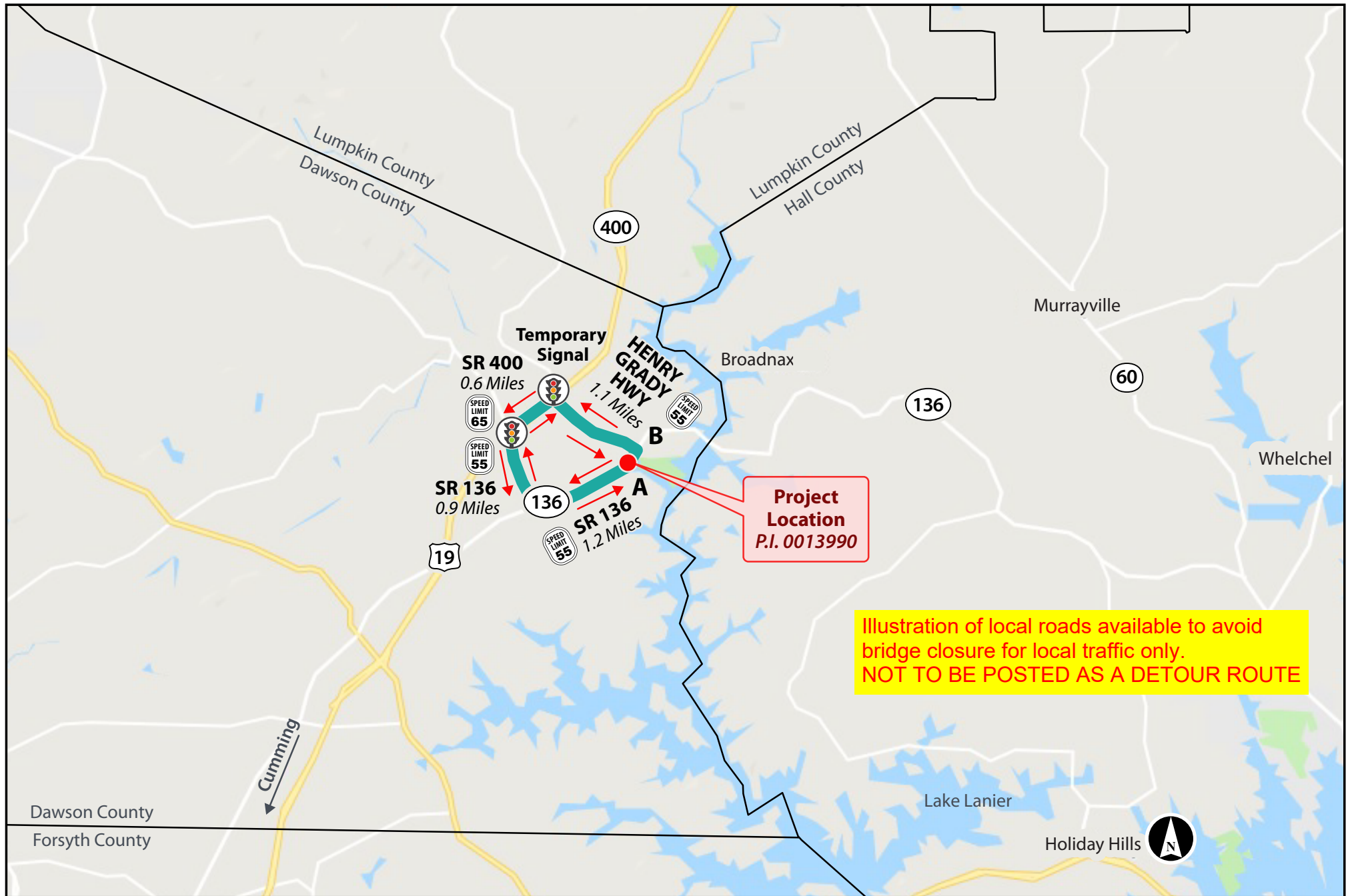
- Location Map
- Detour Route Maps (Preferred Local Road Detour, State Route Detour)
- Local Emergency, School and Public Official Detour Impact Forms
- Notice of Detour Approval



PROJECT LOCATION MAP

SR 136 at Toto Creek (Lake Lanier)

Bridge Replacement, Dawson County

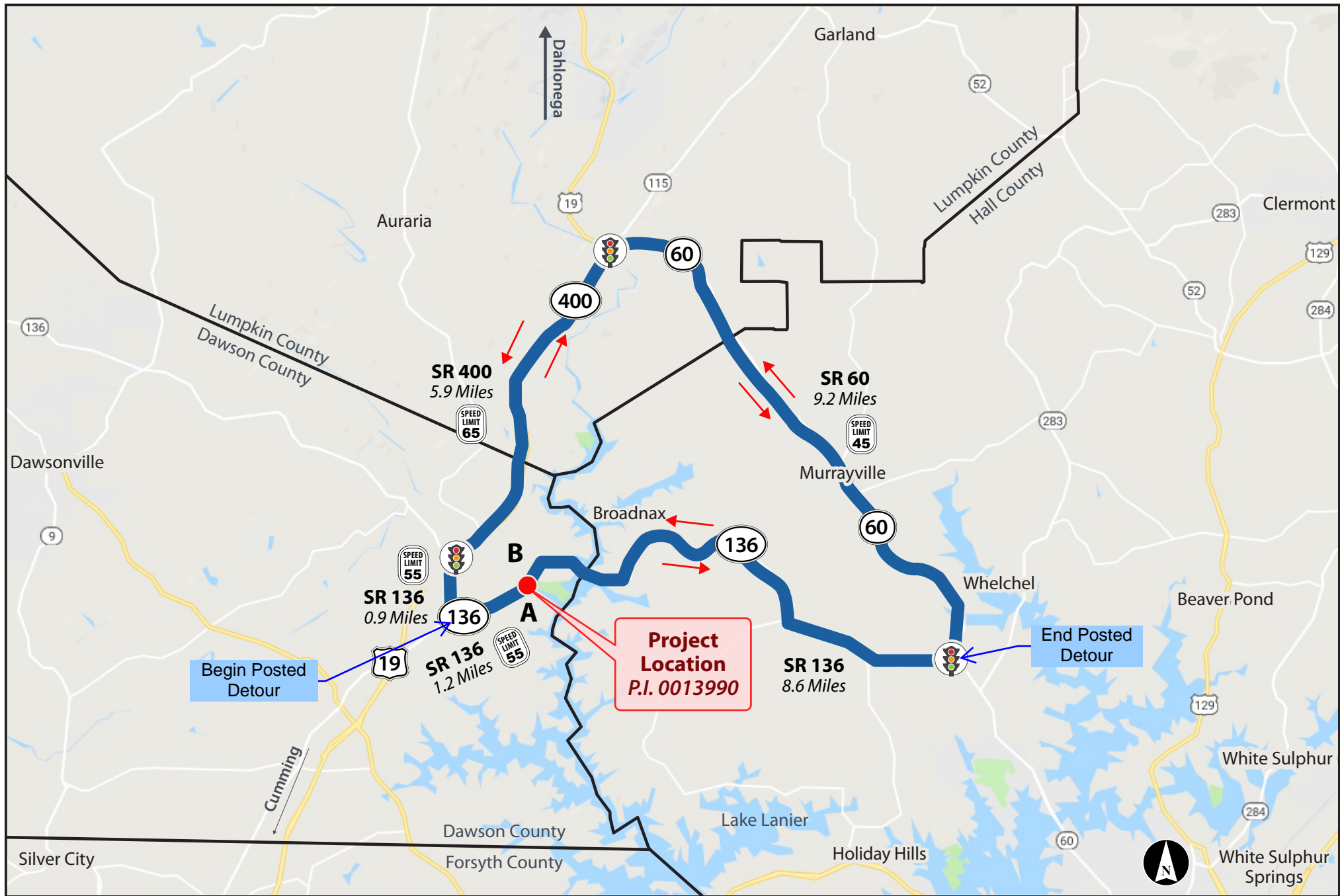


DETOUR MAP P.I. NO. 0013990 (PREFERRED LOCAL DETOUR)

SR 136 at Toto Creek (Lake Lanier) Bridge Replacement, Dawson County

Proposed Detour Route Length (A to B) = 3.8 Miles

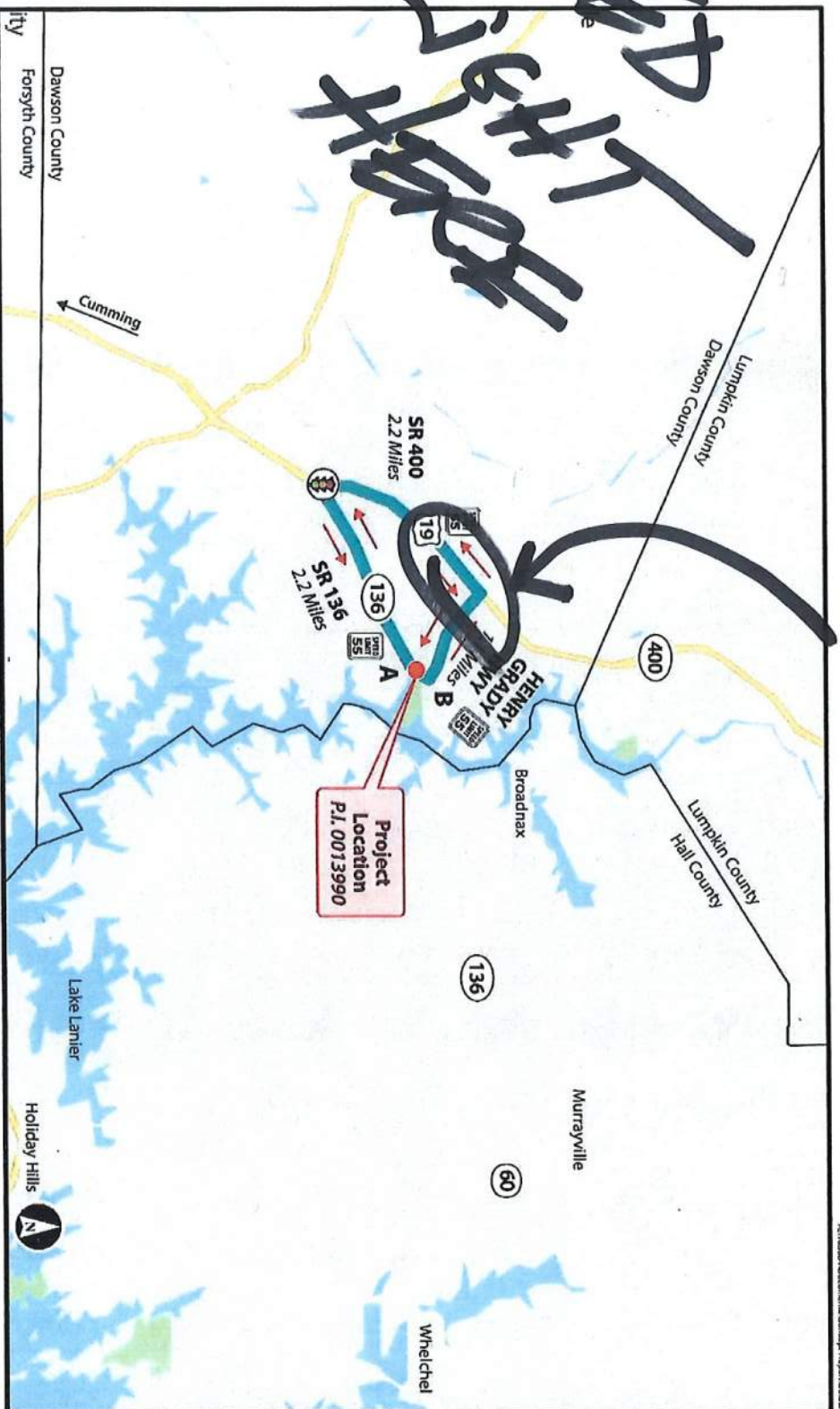
Proposed Detour Duration = 15 months



DETOUR MAP P.I. NO. 0013990 (STATE ROUTE DETOUR)

SR 136 at Toto Creek (Lake Lanier) Bridge Replacement, Dawson County
 Proposed Detour Route Length (A to B) = 25.8 Miles
 Proposed Detour Duration = 15 months

Proposed SR136 Detour length = $0.9 + 5.9 + 9.2 = 16.0$ miles
 Existing SR136 length = $1.2 + 8.6 = 9.8$ miles
 Additional travel due to detour = $16.0 - 9.8 = 6.2$ miles per trip



DETOUR MAP P.I. NO. 0013990 (LOCAL DETOUR OPTION)
SR 136 at Toto Creek (Lake Lanier) Bridge Replacement, Dawson County
Proposed Detour Route Length (A to B) = 5.5 Miles
Proposed Detour Duration = 15 months

- NameDawson County Schools Transportation Dept
 - Date9/8/17
 - TitleDirector of Transportation
 - CountyDawson
 - PI or Structure Number (from letter)0013990
-

Q1

How many School Buses crossings over this bridge are there per day?

- Number of Busses3
-

- Number of Trips6

Q2

Please rate the impact on service if the bridge were closed for up to a year?

- Moderate Concerns

Q3

If concerns were identified, please specify what they are below, be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.)

Concerned about how we would be able to pickup and drop off students on other side of bridge

Q4

Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

No

Q5

Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them?

No

Q6

Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

Yes

- NameDavid McKee
-
- Date9-6-2017
 - TitlePublic Works Director
 - CountyDawson
 - PI or Structure Number (from letter)0013990

Q1

Please quantify the number of impacts anticipated by an off-site detour.

Respondent skipped this question

Q2

Please rate the impact on service if the bridge were closed for up to a year?

- Moderate Concerns

Q3

If concerns were identified, please specify what they are below, be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.)

Emergency Services assistance from Hall County

Q4

Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

None

Q5

Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them?

Respondent skipped this question

Q6

Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

AKA Price Road

NOTICE OF DETOUR APPROVAL

P. I. 0013990

DAWSON COUNTY

Notice is hereby given that the Georgia Department of Transportation has approved the use of and the routing of a detour for this project.

The date of detour approval is: August 6, 2021

The project is located in Dawson County 10 miles east of Dawsonville. The project is located 100% in the G.M.D 1023 and Land District 39.

This project will replace the existing bridge on SR 136 over Toto Creek (Lake Lanier) near Dawsonville. The proposed bridge will be 280 feet long, consisting of two 12- foot lanes (one in each direction) and an 8-foot shoulder on both sides. The roadway approaches will consist of two 12-foot lanes and a 12-foot paved shoulder to the guardrail or retaining wall on both sides. The existing bridge will be closed during construction, and the proposed replacement bridge will be constructed along the current alignment. The total project length is approximately 0.2 mile and the estimated construction time is 15 months.

This project would include an off-site detour. The preferred route for the official detour would be to use SR 136, US 19/SR 400 and Henry Grady Highway. A temporary traffic signal will be installed at the intersection of US 19/SR 400 and Henry Grady Highway. The total detour length will be approximately 3.8 miles. The detour routes were provided to and approved by Dawson County.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation. For information or questions regarding the Detour Route, please contact:

Shannon Giles, Area Manager
District 1, Area 1
sgiles@dot.ga.gov
2594 Gillsville Highway
Gainesville, GA 30507
770-531-5759